

# Dan Inouye

U.S. SENATOR FROM HAWAII

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## **\$850 MILLION SECURED FOR DEFENSE, MILITARY CONSTRUCTION, AND HOMELAND SECURITY PROJECTS IN HAWAII**

*Funding Measure Clears Final Congressional Hurdle; Awaits Enactment Into Law*

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**FOR IMMEDIATE RELEASE**

**WASHINGTON --- Hawaii will receive nearly \$850 million for defense, military construction, and homeland security projects under a consolidated funding measure for Fiscal Year 2009 that cleared its final congressional hurdle with Senate passage today, U.S. Senator Daniel K. Inouye announced.**

**“The defense-related initiatives support high-tech advances in space, on the ground, and on the seas to ensure that the United States is capable of maintaining a robust defense force. Hawaii has a role in developing surveillance systems to see through foliage, and hulls for the next generation of Navy ships that will be faster and less costly,” said Senator Inouye, a senior member of the Senate Appropriations Committee.**

**“We also provide \$23 million to support healthcare for our troops and their families, including \$4 million for advanced research on regenerative medicine to increase the chances of recovery after battled injuries. For our men and women in uniform stationed in Hawaii, we provide \$5.5 million for the educational support of their school-age children enrolled in our public schools through a partnership involving the U.S. Pacific Command and the state Department of Education.”**

**The consolidated funding measure appropriates \$268.3 million for Hawaii-related defense programs, and more than \$574 million for military construction projects.**

**One of the important military construction projects – for continued construction work on Saddle Road on the Big Island – will receive \$30 million. “This project is unquestionably**

significant for both Big Island motorists and the military because there is much defense-generated traffic on the portion of Saddle Road that goes through the Pohakuloa Training Area,” Senator Inouye explained. “Army officials have concluded that Saddle Road needed to be realigned outside of the training area to eliminate possible problems involving military vehicles and artillery firing positions.”

In addition to the Hawaii projects in the consolidated funding bill, several initiatives have become programs of record, and/or have been included in the budget generated by the Department of Defense. They include the Pacific Disaster Center, the Center for Excellence for Disaster Preparedness and Humanitarian Assistance, the Electro-Optical Passive Anti-Submarine Warfare System, and brown tree snake control.

Here are the Hawaii-related defense initiatives for Fiscal Year 2009:

### **OAHU/STATEWIDE**

*Center of Excellence for Research in Ocean Studies (CEROS)* *\$10 million*  
The appropriation fosters technology development and commercial use of ocean and marine research through CEROS, an initiative that seeks to advance innovative concepts and new approaches to technology of importance to the Navy and the Fleet.

*Hawaii Technology Development Venture* *\$10 million*  
Funding for this program supports a regional center for the commercialization of defense and homeland security technologies, and provides an opportunity for companies in Hawaii to compete for funding to develop advanced technologies for national defense.

*U.S.S. Missouri* *\$9.9 million*  
Funds are provided to the U.S.S. Missouri Memorial Association for the costs associated with drydocking and repairing the U.S.S. Missouri.

*Electrical Distribution Upgrade at Hickam Air Force Base* *\$8.5 million*  
This funding continues the repair of Hickam’s base-wide electrical distribution system. This project will provide reliable backup power to support the Joint Air Operations Center, the Hawaii Air National Guard, and strategic lift missions.

*Bow Lifting Body Ship Research* *\$7 million*  
This project develops advanced hull form technologies to incorporate into the Navy’s next generation of ships, which need to be more efficient, stable, faster, and less costly.

*Defense Dependents Education Support and School Repairs* *\$5.5 million*  
The program is a partnership between the Hawaii Department of Education and the U.S. Pacific Command. It will be used to support school construction and equipment, provide support to students of deploying parents, and aid those Hawaii public schools with

significant numbers of military dependents, children of National Guard and Reserve members, as well as schools in military impact areas. This includes support for Project Assist to continue targeted services utilizing technology innovation to those public schools with large numbers of military dependents with special needs. Of this amount, \$300,000 will be used to examine human capital, family, and quality of life issues relating to the military presence in Hawaii, through an initiative of the Military Affairs Council and the Hawaii Institute for Public Affairs.

***LEONIDAS***

***\$5 million***

Low-Earth Orbit Nanosatellite Integrated Defense Autonomous System (LEONIDAS) is a University of Hawaii project to launch small satellites from the Pacific Missile Range Facility.

***Standoff Improvised Explosive Device Detection Program***

***\$4.8 million***

This University of Hawaii collaborative effort with other academic institutions continues research and development of a new generation of sensor technologies based on recent innovations in laser and spectroscopic interrogation techniques.

***Army Conservation and Ecosystem Management***

***\$4 million***

Funds support the U. S. Army efforts to be good stewards of their lands through tested conservation practices, monitoring for ordnance, fire control management, and community outreach. Of the amount, \$1.75 million will be set aside for initiatives related to military munitions, particularly along the Leeward Coast.

***Warfighter Rapid Awareness Processing Technology***

***\$4 million***

This research effort will develop a capability to deliver information to the warfighter to increase situational awareness.

***Hawaii Undersea Chemical Military Munitions Assessment Plan***

***\$4 million***

This initiative involving the Army, University of Hawaii, and the National Oceanic and Atmospheric Administration, in consultation with a coordinating council, continues the characterization and assessment process, leading to recommended actions to the impact of military munitions in deep and shallow water ocean environments in Hawaii.

***Communications Upgrade at MCBH***

***\$3.6 million***

Funding continues a project to improve the quality of life for military personnel residing at Marine Corps Base Hawaii (MCBH) at Kaneohe by providing telecommunication services – dial tone, high-speed Internet, and cable television – to families residing in military housing.

***Intelligent Decision Exploration (INDEX)***

***\$3.6 million***

Funding will continue to improve the effectiveness and coalition interoperability of expeditionary force structures to enhance force protection during coalition operations.

*Eagle Vision* *\$3.5 million*  
Funding will upgrade the Hawaii National Guard’s Eagle Vision system to increase its access to commercial satellite imagery.

*Foliage Penetrating Reconnaissance and Surveillance System* *\$3.2 million*  
Funding will be used to conduct research to identify objects that are hidden behind natural barriers.

*Hawaii National Guard Counterdrug Program* *\$3 million*  
The funds for this ongoing program will be used to enhance drug interdiction activities at Hawaii’s ports of entry, support anti-drug programs targeting youths, and eradicate marijuana and crystal meth labs.

*Man Overboard Identification System* *\$2.8 million*  
Funding continues the procurement of hardware for installing this lifesaving man overboard system on U.S. Navy ships.

*Managing and Extending Defense Department Asset Lifecycles* *\$2.5 million*  
This project develops a comprehensive capability to prevent and mitigate corrosion for Department of Defense weapon systems and infrastructure.

*Theater Undersea Warfare Initiative (TUSW)* *\$2.4 million*  
TUSW funds an on-going effort to improve submarine detection capabilities. The project is supported by the Maui High Performance Computing Center.

*Testing of Critical Components for Ocean Alternate Energy Options* *\$2 million*  
The funds will be used to test the feasibility of large-scale ocean thermal energy conversion.

*Detection, Tracking, and Identification for Intelligence, Surveillance, Reconnaissance, Targeting, and Engagement (ISRTE) of Mobile and Asymmetric Targets* *\$1.6 million*  
This funding is for developing a robust airborne and ground architecture to support aircraft ISRTE operations, and will help to address airborne network bandwidth limitations.

*Wave Energy PowerBuoy Generating System* *\$1.6 million*  
This project continues research efforts to improve energy production and efficiency of the wave energy power buoys located in Kaneohe Bay.

*Autonomous Unmanned Surface Vessel* *\$1.2 million*  
Funding would support testing the autonomous unmanned surface vessel under development for use as a cost-effective, high endurance, intelligence, surveillance, and

reconnaissance system.

***Immersive Group Simulation Virtual Training System*** ***\$1.2 million***

This system will provide additional training opportunities for the Hawaii Army National Guard by using virtual reality to supplement live training exercises.

***Air Sentinel*** ***\$1 million***

Air Sentinel is an inexpensive, operationally versatile unmanned aerial system capable of detecting, locating, and, if necessary, providing persistent surveillance of high-value targets in support of tactical operations.

***Marine Air-Ground Task Force Situational Awareness*** ***\$1 million***

This funding supports the development and field test of a prototype situational awareness and tactical decision support system for a counter-sniper weapon system.

***Pacific Data Conversion and Technology Program*** ***\$1 million***

This project supports the digital conversion of military manuals to allow for easy retrieval and use via small mobile device in theater and other harsh environments.

***Unexploded Ordnance Detection and Classification*** ***\$1 million***

This project uses advanced technology to help provide more accurate detection and classification of unexploded ordnance in volcanic soil and other environments.

***Virtual Onboard Analyst for Multi-Sensor Mine Detection*** ***\$1 million***

The program would develop a self-learning, virtual onboard analyst that replicates the capabilities of an experienced mine countermeasures analyst.

**MAUI**

***Maui Space Surveillance System (MSSS)*** ***\$22 million***

MSSS is a state of the art electro-optical facility that combines operational satellite tracking facilities with research and development activities. It houses the Department of Defense's largest telescope, the 3.67-meter Advanced Electro Optical System, and several other telescopes.

***PanSTARRS*** ***\$8 million***

The appropriation will be used to continue development of large aperture telescopes with different sensors. The Maui Space Surveillance System, the University of Hawaii Institute of Astronomy, and the Maui High Performance Computing Center are cooperating on this initiative.

***Applications of LIDAR to Vehicles with Analysis (ALVA)*** ***\$7.5 million***

Funding continues the ALVA program for the Air Force and incorporates the multi-frame

blind deconvolution work that provides near real-time analysis using data fusion algorithms and image processing to reduce the size of data to more accurately track and identify objects that are hundreds of kilometers away.

*Maui High Performance Computing Center (MHPCC)* *\$5 million*  
Funds will support operations at MHPCC. The Air Force-owned MHPCC is one of the world's premier supercomputer installations, and it supports a wide range of military activities.

*Pacific-Based Joint Information Technology Center* *\$4.8 million*  
Funding will continue to expand medical information technology and interoperability, such as the location of military and federal medical supplies worldwide. This center will become a program of record beginning in Fiscal Year 2010.

*Multi-mission Deployable Optical System* *\$4 million*  
This research has the potential to enhance optical systems with the capability to perform daylight imaging.

*Real-time Optical Surveillance Applications* *\$2.8 million*  
Funding will develop state-of-the-art surveillance technologies for space, air, and terrestrial applications.

*Air Cargo Tracking and Analysis/Secure Skies* *\$2 million*  
This project addresses the need to track commercial air cargo and will create a decision support system for tracking cargo. In addition, the project will support operations, training, exercise, and test requirements associated with terrorist and weapons proliferation threats.

*Flash Hyper-dimensional Imaging System*  
*for Space Situational Awareness and Ballistic Missile Defense* *\$1.6 million*  
The mission of the project is to provide the capability for immediate, real time threat assessment of a missile intercept and to significantly enhance space situational awareness.

*Night Vision Sensor* *\$1 million*  
Funding continues the development of a visible, short-wave infrared image sensor to provide enhancement for military day and night vision devices.

## **KAUAI**

*Pacific Airborne Surveillance and Testing* *\$15 million*  
The program mission is to develop non-cooperative target identification techniques, advanced radar processing, radar transmitters, and open architecture environment for

early warning aircraft. It also includes designing open architecture radar processing solutions and distribution networks for Navy radar applications.

*Multi-Target-Tracking Optical Sensor Array Technology (MOST)* *\$5 million*  
MOST technology will benefit test and evaluation of missile defense systems by providing enhanced data on missile intercepts.

*Strategic Materials and Silicon Carbide Optics* *\$4.4 million*  
This is an ongoing project to develop technologies for the manufacture of strategic materials, specifically low-cost, corrosive-resistant ceramics and ceramic matrix composite materials. Funds would be used to continue research and manufacturing of hard, corrosion-resistant optical coatings for mirrors with space, missile defense, and commercial applications.

*Mobile Modular Command Center (M2C2)* *\$3.8 million*  
M2C2 is a vehicle equipped with radios and communications equipment that allows Marines to communicate while on the move.

*Pacific Region Interoperability Test and Evaluation Capability* *\$3 million*  
This project creates a developmental and operational testing environment in the Pacific that is interoperable with other Defense Department test facilities.

*Flood Control at PMRF* *\$2.5 million*  
This funding continues pump operations to guard Pacific Missile Range Facility against flooding.

*PMRF Force Protection Laboratory* *\$2 million*  
The lab serves as an incubator for force protection and base security technologies for the Defense Department.

## **HEALTH**

*AKAMAI II, Telemedicine and Technology Initiative – Transition Year* *\$23 million*  
AKAMAI II supports applied research, development and deployment of telehealth and healthcare technology to improve access and the quality of care to military families, federal beneficiaries, and impacted communities.

As part of a transition to a new direction, there will be a growing focus on programs that align closely with defined military requirements. To this end, \$3 million will be set aside for Joint Operations Technology Development to respond to defined military health requirements.

**AKAMAI II funding breaks down as follows:**

**\$4 million - To build on the current work to advance regenerative medicine to enhance recovery after battlefield injuries.**

**\$3 million - To develop a process for detecting chemical, biological and other agents using self actuating signal processing technology, with a focus on public health risks.**

**\$3 million - To advance technologies for tissue replacement, and for tagging and tracking assets.**

**\$2 million - To build on current work on bio-sensors/nanotechnology to address military health needs.**

**\$2 million - To build on infrared biosensors to improve warfighter diagnostic capabilities.**

**\$3 million - To build on drug discovery efforts to address possible agents of bioterrorism.**

**\$2 million - To build on a Tripler Army Medical Center led infectious disease research using a universal pathogen detector of military and defense interest.**

**\$1 million – To develop a sustainable model for a Triple Helix (academic, government and industry) partnership approach to accelerate development of defense and civilian advanced health care technologies.**

**COMPETITIVE FUNDING INITIATIVES**

**The Senator has also supported a wide variety of funding increases in areas that are of interest to numerous organizations and companies based in Hawaii. The funding increases provide competitive opportunities in areas of importance to Hawaii, the Pacific Command and its strategic posture. These include:**

- **\$64 million for test and training range upgrades.**
- **\$60 million for applied alternative energy research.**
- **\$33.5 million for environmental restoration and unexploded ordnance removal.**
- **\$24 million for command and control upgrades for U.S. Army, Pacific.**
- **\$16 million for the readiness and environmental protection initiative.**



Here are the Hawaii-related military construction projects for Fiscal Year 2009:

**ARMY**

**Pohakuloa Training Area, Big Island**

**Military Access Road** **\$30 million**

**This appropriation is for Phase 5 of the Military Access Road (Saddle Road) project. Thirteen miles of the road will be relocated to outside of the training area to ensure public safety.**

**Schofield Barracks**

**Infrastructure Expansion** **\$76 million**

**Battalion Complex** **\$69 million**

**Brigade Complex** **\$65 million**

**Barracks** **\$42 million**

**Battalion Complex** **\$27 million**

**Wahiawa**

**Wideband SATCOM Operations Center** **\$40 million**

**ARMY RESERVE**

**Fort Shafter**

**Army Reserve Center** **\$19,199,000**

**NAVY**

**Barking Sands**

**Advanced Radar Detection Laboratory** **\$28.9 million**

**Kaneohe Bay**

**BEQ - Marine Corps Base Kaneohe** **\$28.2 million**

**Pearl Harbor**

**Fitness Center** **\$45 million**

**Sub Drive-In Magnetic FAC (INC 2)** **\$41,088,000**

**Child Development Center** **\$29.3 million**

**Joint Forces Deployment Staging Area FISC** **\$5,990,000**

**Defense Logistics Agency, Pearl Harbor**

**Replace Fuel Pipeline** **\$27.7 million**

Here are the Hawaii-related homeland security initiatives for Fiscal Year 2009:

*Natural Disaster Preparedness Training Center* *\$5 million*

**The funds will be used to establish the Natural Disaster Preparedness Training Center (NDPTC), which is a member of the DHS National Disaster Preparedness Consortium. The NDPTC is the only member focused on natural disaster preparedness and training. The mission of the NDPTC is to utilize Hawaii's unique geographic and cultural assets to develop and deliver disaster preparedness training to governmental, private, and non-profit entities and to incorporate urban planning with an emphasis on community preparedness and at-risk populations.**

***Pacific Region Homeland Security Center (PAC-RHSC)***

***\$2.2 million***

**The funds will be used to establish a DHS All Hazards Operations Coordination, Training, Research and Development Center for the Pacific Region – covering Hawaii, Alaska, American Samoa, Guam, and the Northern Mariana Islands – to protect national interests and support national security. The Pacific region requires a centralized operations, training, and research and development center to coordinate hazard responses, and train responders. This Center will also provide a direct link to the U.S. Department of Defense (PACOM-Joint Task Force-Homeland Defense), Joint Terrorism Task Force, Pacific Disaster Center, as well as other federal agencies, including NOAA's Pacific Tsunami Warning Center, and local governments, non-governmental organizations, and regional allies. The Center will provide a central facility for regional training.**